

1	772.8	78.3	1080	9	US-09-303-510-5	Sequence 5, Appli
2	772.8	78.3	1080	9	US-09-303-040-5	Sequence 5, Appli
3	575.2	58.3	1002	12	US-10-266-463A-33	Sequence 33, Appl
4	575.2	58.3	1002	14	US-10-105-200A-33	Sequence 33, Appl
5	575.2	58.3	1002	14	US-10-105-504A-33	Sequence 33, Appl
6	575.2	58.3	1002	14	US-10-105-678A-33	Sequence 33, Appl
7	575.2	58.3	1112	11	US-09-441-411-25	Sequence 25, Appl
8	575.2	58.3	1120	8	US-08-592-711-3	Sequence 3, Appl
9	575.2	58.3	1120	9	US-09-837-867A-22	Sequence 22, Appl
10	575.2	58.3	1120	11	US-09-962-969-22	Sequence 22, Appl
11	575.2	58.3	1120	11	US-09-350-202-3	Sequence 3, Appl
12	575.2	58.3	1161	9	US-09-837-867A-24	Sequence 24, Appl
13	575.2	58.3	1161	11	US-09-962-969-24	Sequence 24, Appl
14	570.2	57.8	1424	9	US-09-962-436-556	Sequence 556, App
15	570.2	57.8	1424	10	US-09-954-531-366	Sequence 366, App
16	570.2	57.8	1424	11	US-09-441-411-21	Sequence 21, Appl

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 12, 2003, 13:00:26 ; Search time 76.2111 Seconds
(without alignments)
5716.299 Million cell updates/sec

Title:

Perfect score: 987

Sequence: 1 atgtattcagatgcactat.....acaacagctactacacagttt 987

Scoring table:

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Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:*

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2: /cgn2_6/ptodata/2/ina/5B COMB.seq.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	772.8	78.3	1080	US-09-303-040-5	Sequence 5, Appl
2	575.2	58.3	1002	US-09-039-982A-33	Sequence 33, Appl
3	575.2	58.3	1002	US-09-039-641-33	Sequence 33, Appl
4	575.2	58.3	1002	US-09-039-762A-33	Sequence 33, Appl
5	575.2	58.3	1002	US-09-042-492D-33	Sequence 33, Appl
6	575.2	58.3	1002	US-08-913-612A-33	Sequence 33, Appl
7	575.2	58.3	1120	US-08-456-104-1	Sequence 1, Appl
8	575.2	58.3	1120	US-08-101-824-1	Sequence 1, Appl
9	575.2	58.3	1120	US-08-479-744A-1	Sequence 1, Appl
10	575.2	58.3	1120	US-08-280-757B-1	Sequence 1, Appl
11	575.2	58.3	1120	US-08-205-697A-22	Sequence 22, Appl
12	575.2	58.3	1120	US-08-702-525-22	Sequence 22, Appl
13	575.2	58.3	1120	US-08-403-253A-3	Sequence 3, Appl
14	575.2	58.3	1120	US-08-435-816A-3	Sequence 3, Appl
15	575.2	58.3	1120	PCT-US95-02576-22	Sequence 22, Appl
16	575.2	58.3	1161	US-08-205-697A-24	Sequence 24, Appl
17	575.2	58.3	1161	US-08-702-525-24	Sequence 24, Appl
18	575.2	58.3	1161	PCT-US95-02576-24	Sequence 24, Appl
19	570.2	57.8	1424	US-09-376-186B-226	Sequence 226, App
20	570.2	57.8	1428	PCT-US94-09642-1	Sequence 1, Appl
21	565.2	47.3	972	US-08-848-760B-11	Sequence 11, Appl
22	463.8	47.0	751	US-09-039-982A-34	Sequence 34, Appl
23	463.8	47.0	751	US-09-039-641-34	Sequence 34, Appl
24	463.8	47.0	751	US-09-039-762A-34	Sequence 34, Appl
25	463.8	47.0	751	US-08-042-492D-34	Sequence 34, Appl
26	463.8	47.0	751	US-08-913-612A-34	Sequence 34, Appl
27	344.4	34.9	1151	US-08-456-104-3	Sequence 3, Appl

28	344.4	34.9	1151	3	US-08-205-697A-20	Sequence 20, Appl
29	344.4	34.9	1151	3	US-08-702-525-20	Sequence 20, Appl
30	344.4	34.9	1151	5	PCT-US95-02576-20	Sequence 20, Appl
31	344.4	34.9	1163	3	US-08-479-744A-22	Sequence 22, Appl
32	344.4	34.9	1163	3	US-08-280-757B-22	Sequence 22, Appl
33	337.2	34.2	1261	3	US-08-205-697A-12	Sequence 12, Appl
34	337.2	34.2	1261	3	US-08-702-525-12	Sequence 12, Appl
35	337.2	34.2	1261	5	PCT-US95-02576-12	Sequence 12, Appl
36	232.4	23.5	330	3	US-08-479-744A-44	Sequence 44, Appl
37	232.4	23.5	330	3	US-08-280-757B-44	Sequence 44, Appl
38	175.2	17.8	306	3	US-08-479-744A-46	Sequence 46, Appl
39	175.2	17.8	306	3	US-08-280-757B-46	Sequence 46, Appl
40	103.4	10.5	210	3	US-08-205-697A-31	Sequence 31, Appl
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44	45	4.6	195	3	US-08-702-525-41	Sequence 41, Appl
45	45	4.6	195	5	PCT-US95-02576-41	Sequence 41, Appl

ALIGNMENTS

RESULT 1

US-09-303-040-5
; Sequence 5, Application US/09303040
; Patent No. 6555671
; GENERAL INFORMATION:
; APPLICANT: Winelaw, Barbara J.
; TITLE OF INVENTION: Recombinant Virus Expressing Foreign DNA Encoding
; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, Feline CTLA-4 or
; TITLE OF INVENTION: Feline Interferon-gamma And Uses Thereof
; FILE REFERENCE: 54957-B
; CURRENT APPLICATION NUMBER: US/09/303,040
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,870
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 5
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: feline CD86
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (63)..(1052)
US-09-303-040-5

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Db	139	CCATGAGAGTCAGCATATTTTCAACAGACTGGAGAACTGCCATGCCATTTTACAAACT	198				
QY	134	CTCAAAACATTAAGCTGGATGAGTTGGTAGTGTGTTTGGCAGGACAGGATAAGCTGTTTC	193				
Db	199	CTCAAAACATTAAGCTGGATGAGTTGGTAGTGTGTTTGGCAGGACAGGATAAGCTGTTTC	258				
QY	194	TGTACGAGCTATACAGAGGCAAGAACCCCTCAAAATGTTTCATTCGCAAGTATAAGGGCC	253				
Db	259	TGTATGAGATATTCAGAGGCAAGAACCCCTCAAAATGTTTCATTCGCAAGTATAAGGGCC	318				
QY	254	GCAACGCTTTGACAAAGCAATTTGGACCTCGACCTCCATATATTCAGATCAGAGCA	313				
Db	319	GTAACGCTTTGACAAAGCAATTTGGACCTCGACCTCCATATATTCAGATCAGAGCA	378				

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
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Run on: October 12, 2003, 13:00:31 ; Search time 274.007 Seconds
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7954.691 Million cell updates/sec

Title: US-09-646-561-19
Perfect score: 840
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Gapop 10.0 , Capext 1.0

Searched: 1731049 seqs, 1297405648 residues

Total number of hits satisfying chosen parameters: 3462098

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:*

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4:	/cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:
5:	/cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:
6:	/cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:
7:	/cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:
8:	/cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:
9:	/cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES				
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2	582.2	69.3	1080	9 US-09-303-040-5 Sequence 5, Appli
3	463.8	55.2	751	12 US-10-266-463A-34 Sequence 34, Appl
4	463.8	55.2	751	14 US-10-105-200A-34 Sequence 34, Appl
5	463.8	55.2	751	14 US-10-105-504A-34 Sequence 34, Appl
6	463.8	55.2	751	14 US-10-105-678A-34 Sequence 34, Appl
7	463.8	55.2	831	10 US-09-845-899A-4 Sequence 4, Appli
8	463.8	55.2	1002	12 US-10-266-463A-33 Sequence 33, Appl
9	463.8	55.2	1002	14 US-10-105-200A-33 Sequence 33, Appl
10	463.8	55.2	1002	14 US-10-105-504A-33 Sequence 33, Appl
11	463.8	55.2	1112	11 US-09-441-411-25 Sequence 25, Appl
12	463.8	55.2	1120	8 US-08-592-711-3 Sequence 3, Appli
13	463.8	55.2	1120	8 US-09-837-867A-22 Sequence 22, Appl
14	463.8	55.2	1120	9 US-09-962-969-22 Sequence 22, Appl
15	463.8	55.2	1120	11 US-09-350-202-3 Sequence 3, Appli
16	463.8	55.2	1120	11 US-09-350-202-3 Sequence 3, Appli

17	463.8	55.2	1161	9 US-09-837-867A-24 Sequence 24, Appl
18	463.8	55.2	1161	11 US-09-962-969-24 Sequence 24, Appl
19	458.8	54.6	1424	9 US-09-962-436-556 Sequence 556, App
20	458.8	54.6	1424	10 US-09-954-531-366 Sequence 366, App
21	458.8	54.6	1424	11 US-09-441-411-21 Sequence 21, Appl
22	458.8	54.6	1424	14 US-10-207-655-120 Sequence 120, Appl
23	453.8	54.0	738	14 US-10-060-585-4 Sequence 4, Appli
24	453.8	54.0	972	10 US-09-826-025-11 Sequence 11, Appl
25	453.8	54.0	1056	10 US-09-756-983-17 Sequence 17, Appl
26	344.4	41.0	1151	9 US-09-837-867A-20 Sequence 20, Appl
27	344.4	41.0	1151	11 US-09-962-969-20 Sequence 20, Appl
28	344.4	41.0	1183	11 US-09-441-411-23 Sequence 23, Appl
29	338.6	40.3	598	10 US-09-796-692-7754 Sequence 7754, Ap
30	338.6	40.3	598	14 US-10-040-862-7754 Sequence 7754, Ap
31	337.2	40.1	1261	9 US-09-837-867A-12 Sequence 12, Appl
32	337.2	40.1	1261	11 US-09-962-969-12 Sequence 12, Appl
33	326.8	38.9	551	10 US-09-796-692-7817 Sequence 7817, Ap
34	326.8	38.9	551	14 US-10-040-862-7817 Sequence 7817, Ap
35	86.4	10.3	210	9 US-09-837-867A-31 Sequence 31, App-
36	86.4	10.3	210	11 US-09-962-969-31 Sequence 31, Appl
37	45	5.4	195	9 US-09-837-867A-41 Sequence 41, Appl
38	45	5.4	195	11 US-09-962-969-41 Sequence 41, Appl
39	42.2	5.0	8530	12 US-10-311-455-405 Sequence 405, App
40	37.8	4.5	6282	12 US-10-311-455-427 Sequence 427, App
41	37	4.4	5228	12 US-10-311-455-1628 Sequence 1628, Ap
42	36.8	4.4	650	13 US-10-027-632-196314 Sequence 196314, App
43	36.8	4.4	6270	12 US-10-311-455-1845 Sequence 1845, Ap
44	36.6	4.4	6056	12 US-10-311-455-753 Sequence 753, App
45	36.4	4.3	271990	14 US-10-195-144-87 Sequence 87, Appl

ALIGNMENTS

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; Sequence 5, Application US/09303510A
; Patent No. US20020028208A1
; GENERAL INFORMATION:
; APPLICANT: Collisson, Ellen W.
; APPLICANT: Hash, Stephen M.
; APPLICANT: Choi, Insoo
; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, and Feline
; TITLE OF INVENTION: CTLA-4 Nucleic Acid and Polypeptides
; FILE REFERENCE: 54954
; CURRENT APPLICATION NUMBER: US/09/303,510A
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,869
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: Feline
US-09-303-510-5

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Db	79	GCATATGGAACCTGAGTCACACTCTCTTGTGTGATGACCCCTCTGCTCTCTGCTGCTTCTT	138	
QY	74	CCATGAAGCTCAAGCATATTTCAACAGCTGGAGAACTGCCATGCCATTTTACAAATT	133	
Db	139	CCATGAAGCTCAAGCATATTTCAACAGCTGGAGAACTGCCATGCCATTTTACAAACT	198	
QY	134	CTCAAAACATTAAGCTGATGAGTGTGTAGTGTGTTTGGAGGACAGGATAAGCTGCTTC	193	
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DB 259 TGTATGAGATATTACAGAGGCAAGAGAAACCTCAAATGTTTCATC3CAATATAAGGGCC 318
QY 254 GCACAAGCTTTGACAAGAGAAATTTGGACCTCGAGACTCCATATATTTTCAGATCAAGGACA 313
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DB 379 AGGCAACATATCACTGTTTCATTCATTAAGGGGCCAAAGGAGCTAGTTCCCATGCACC 438
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DB 439 AAATGAGTTCTGAGCTATACAGTGTCTGCTAACTTCAGTCAACCTGAAATTAAGTTAACTT 498
QY 434 CTAATAGAACAGAAATTTCTGGCATATAAATTTGACCTGCTCATCATCAAGGTTACC 493
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DB 559 CAGAACCTAAGGAGATGTTATTTTGGTAAACCCGAGAAATTCAGTCACTAAGTATGATA 618
QY 554 CTGTCTCAGTCCCTGAAAGCAAGCAATGTGAGCATCTTCTGTGCTGCAACTTGAAGTCAA 673
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QY 674 T--GAAGCTTCCCTCCCTACCTTATAATATAGAACCAACCAAGTGGAGAGAA 725
DB 739 TGGAGATGCTGCTCTCCCTACCTTATAATATAGAACCAACCTAAGGATAAAGA 793

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; Sequence 5, Application US/09303040
; Patent No. US20020051792A1
; GENERAL INFORMATION:
; APPLICANT: Wirslow, Barbara J.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: Recombinant Virus Expressing Foreign DNA Encoding
; TITLE OF INVENTION: Feline CD86, Feline CD86, Feline CD28, Feline CTLA-4 or
; TITLE OF INVENTION: Feline Interferon-gamma And Uses Thereof
; FILE REFERENCE: 54957-B
; CURRENT APPLICATION NUMBER: US/09/303,040
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,870
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: feline CD86
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (63)...(1052)
US-09-303-040-5

Query Match 69.3%; Score 582.2; DB 9; Length 1080;
Best Local Similarity 89.4%; Pred. No. 1.le-164;
Matches 639; Conservative 0; Mismatches 73; Indels 3; Gaps 1;

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DB 79 GCACATAGGAAGTCAATTAACATTTCTTTTGTGATGACCCCTCGTCTCTATGCTGCTGCTT 138
QY 74 CCATGACAGTCAACCATATTTTCAACAGACTGAGAGACTGCCATGCAATTTTCAAAAT 133

DB 139 CCATGACAGTCAAGCATATTTTCAACAGAGACTGGAGAACTGCCATGCCATTTTACAAACT 198
QY 134 CTCAAAACATAAGCCTCGATGAGTTGGTAGTGTGTTTGGCAGGACAGGATAAGCTGGTTC 193
DB 199 CTCAAAACATAAGCCTCGATGAGTTGGTAGTGTGTTTGGCAGGACAGGATAAGCTGGTTC 258
QY 194 TGTACGAGCTATACAGAGGCAAGAGAAACCTCAAATGTTTCATGCAAGTATAAGGGCC 253
DB 259 TGTATGAGATATTACAGAGGCAAGAGAAACCTCAAATGTTTCATCTCAATATAAGGGCC 318
QY 254 GCACAAGCTTTGACAAGAGAAATTTGGACCTCGAGACTCCATATATTTTCAGATCAAGGACA 313
DB 319 GTACAGCTTTTGACAAGAGAAATTTGGACCTCGAGACTCCATATATTTTCAGATCAAGGACA 378
QY 314 AGGCTTTGTATCAATGTTTCGTTTCATCATATAAGGGGCCAAAGGAGCTCGTTCCCATGCACC 373
DB 379 AGGCAACATATCACTGTTTCATTCATTAAGGGGCCAAAGGAGCTAGTTCCCATGCACC 438
QY 374 AGATGAATTTGACCTATACAGTGTCTGCTAACTTCAGTCAACCTGAAATTAAGTTAACTT 433
DB 439 AAATGAGTTCTGAGCTATACAGTGTCTGCTAACTTCAGTCAACCTGAAATTAAGTTAACTT 498
QY 434 CTAATAGAACAGAAATTTCTGGCATATAAATTTGACCTGCTCATCATCAAGGTTACC 493
DB 499 CTAATAGAACAGAAATTTCTGGCATATAAATTTGACCTGCTCATCATCAAGGTTACC 558
QY 494 CAGAACCCAGGAGATGTTATTTTGGTAAACCCGAGAAATTCAGTCACTAAGTATGATA 553
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DB 619 CTGTCTCAGTCCCTGAAAGCAAGCAATGTGAGCATCTTCTGTGCTGCAACTTGAAGTCAA 738
QY 674 T--GAAGCTTCCCTCCCTACCTTATAATATAGAACCAACCAAGTGGAGAGAA 725
DB 739 TGGAGATGCTGCTCTCCCTACCTTATAATATAGAACCAACCTAAGGATAAAGA 793

RESULT 3
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; Sequence 34, Application US/10266463A
; Publication No. US20030138946A1
; GENERAL INFORMATION:
; APPLICANT: Cai, Zeling
; APPLICANT: SPRENT, Jonathan
; APPLICANT: BRUNMARK, Anders
; APPLICANT: JACKSON, Michael
; APPLICANT: PETERSON, Per A.
; APPLICANT: LUXEMBOURG, Alain
; APPLICANT: LETURCO, Didier Jean
; APPLICANT: MORIARTY, Ann M.
; TITLE OF INVENTION: ANTIGEN PRESENTING SYSTEM AND METHODS
; TITLE OF INVENTION: FOR ACTIVATION OF T-CELLS
; FILE REFERENCE: TSRI 471.1 Div. 1
; CURRENT APPLICATION NUMBER: US/10/266,463A
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US 08/913,612
; PRIOR FILING DATE: 1997-09-08
; PRIOR APPLICATION NUMBER: PCT/US96/03249
; PRIOR FILING DATE: 1996-03-08
; PRIOR APPLICATION NUMBER: US 08/400,338
; PRIOR FILING DATE: 1995-03-08
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 34
; LENGTH: 751
; TYPE: DNA
; ORGANISM: Homo Sapiens

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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5716.299 Million cell updates/sec

Title: US-09-646-561-19
Perfect score: 840
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Total number of hits satisfying chosen parameters: 1139956

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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6: /cgn2_6/ptodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	463.8	55.2	751	3	US-09-039-762A-34
5	463.8	55.2	751	4	US-09-042-492D-34
6	463.8	55.2	751	4	US-08-913-612A-33
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13	463.8	55.2	1120	2	US-08-101-624-1
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15	463.8	55.2	1120	3	US-08-280-757B-1
16	463.8	55.2	1120	3	US-08-205-697A-22
17	463.8	55.2	1120	3	US-08-702-525-22
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36	232.4	27.7	330	3	US-08-479-744A-44	Sequence 44, Appl
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ALIGNMENTS

RESULT 1
US-09-303-040-5
; Sequence 5, Application US/09303040
; Patent No. 655671
; GENERAL INFORMATION:
; APPLICANT: Winslow, Barbara J.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: Recombinant Virus Expressing Foreign DNA Encoding
; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, Feline CTLA-4 or
; TITLE OF INVENTION: Feline Interferon-gamma And Uses Thereof
; FILE REFERENCE: 54957-B
; CURRENT APPLICATION NUMBER: US/09/303,040
; EARLIER FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,870
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: feline CD86
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (63)..(1052)
US-09-303-040-5

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; Sequence 34, Application US/09039982A
; Patent No. 6225042
; GENERAL INFORMATION:
; APPLICANT: Cai, Zeling
; APPLICANT: Sprunt, Jonathan
; APPLICANT: Brunmark, Anders
; APPLICANT: Jackson, Michael
; APPLICANT: Peterson, Per A
; TITLE OF INVENTION: ANTIGEN PRESENTING SYSTEM AND METHODS FOR ACTIVATION OF T-CELL
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Olson & Hierl, Ltd.
; STREET: 20 No. 6225042th Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/09/039,982A
; APPLICATION NUMBER: US/09/039,982A
; FILING DATE: 16-MAR-1998
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Olson, Arne M.
; REGISTRATION NUMBER: 30,203
; REFERENCE/DOCKET NUMBER: TSR14710
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 580-1180
; TELEFAX: (312) 580-1189
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 751 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO

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; Sequence 34, Application US/09039641
; Patent No. 6251627
; GENERAL INFORMATION:
; APPLICANT: Cai, Zeling
; APPLICANT: Sprunt, Jonathan
; APPLICANT: Brunmark, Anders
; APPLICANT: Jackson, Michael
; APPLICANT: Peterson, Per A
; TITLE OF INVENTION: ANTIGEN PRESENTING SYSTEM AND METHODS FOR
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Olson & Hierl, Ltd.
; STREET: 20 No. 6251627th Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois

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Run on: October 12, 2003, 13:00:31 : Search time 324.894 Seconds
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	979.2	98.3	US-09-303-040-5	Sequence 5, Appli
3	553	55.5	US-09-962-436-556	Sequence 556, App
4	553	55.5	US-09-954-531-366	Sequence 366, App
5	553	55.5	US-09-441-411-21	Sequence 21, Appl
6	553	55.5	US-10-207-655-120	Sequence 120, App
7	540	54.2	US-10-266-463A-33	Sequence 33, Appl
8	540	54.2	US-10-105-200A-33	Sequence 33, Appl
9	540	54.2	US-10-105-504A-33	Sequence 33, Appl
10	540	54.2	US-10-105-678A-33	Sequence 33, Appl
11	540	54.2	US-09-441-411-25	Sequence 25, Appl
12	540	54.2	US-08-592-711-3	Sequence 3, Appli
13	540	54.2	US-09-837-867A-22	Sequence 22, Appl
14	540	54.2	US-09-962-969-22	Sequence 22, Appl
15	540	54.2	US-09-350-202-3	Sequence 3, Appli
16	540	54.2	US-09-837-867A-24	Sequence 24, Appl

17	540	54.2	1161	11	US-09-962-969-24	Sequence 24, Appl
18	535	53.7	972	10	US-09-826-025-11	Sequence 11, Appl
19	434.6	43.6	751	12	US-10-266-463A-34	Sequence 34, Appl
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23	434.6	43.6	831	10	US-09-845-899A-4	Sequence 4, Appli
24	429.6	43.1	738	14	US-10-060-585-4	Sequence 4, Appli
25	429.6	43.1	1056	10	US-09-756-983-17	Sequence 17, Appl
26	330	33.1	1261	9	US-09-837-867A-12	Sequence 12, Appl
27	330	33.1	1261	11	US-09-962-969-12	Sequence 12, Appl
28	329.6	33.1	1151	9	US-09-962-969-20	Sequence 20, Appl
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30	329.6	33.1	1183	11	US-09-441-411-23	Sequence 23, Appl
31	327.2	32.9	598	10	US-09-796-692-7754	Sequence 7754, Ap
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33	313.8	31.5	551	10	US-09-796-692-7817	Sequence 7817, Ap
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35	101.8	10.2	210	9	US-09-837-867A-31	Sequence 31, Appl
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38	59.6	6.0	195	11	US-09-962-969-41	Sequence 41, Appl
39	44.6	4.5	8530	12	US-10-311-455-405	Sequence 405, App
40	41.8	4.2	5228	12	US-10-311-455-1628	Sequence 1628, Ap
41	41.4	4.2	6716	12	US-10-311-455-1756	Sequence 1756, Ap
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43	38.2	3.8	6590	12	US-10-311-455-1450	Sequence 1450, Ap
44	38	3.8	585	13	US-10-027-632-215627	Sequence 215627
45	38	3.8	8996	12	US-10-240-453-310	Sequence 310, App

ALIGNMENTS

RESULT 1

US-09-303-510-5
; Sequence 5, Application US/09303510A
; Patent No. US2002028208A1
; GENERAL INFORMATION:
; APPLICANT: Collisson, Ellen W.
; APPLICANT: Hsieh, Stephen M.
; APPLICANT: Choi, Insoo
; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, and Feline
; TITLE OF INVENTION: CTLA-4 Nucleic Acid and Polypeptides
; FILE REFERENCE: 54954
; CURRENT APPLICATION NUMBER: US/09/303,510A
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,869
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: Feline
US-09-303-510-5

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Db 243 CAGGATAAGCTGGTCTCTATGAGATATTCAGAGGCAAGAGAACCCCTCAAAATGTTTCAT 302
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RESULT 2

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; Patent No. US20020051792A1
; GENERAL INFORMATION:
; APPLICANT: Winslow, Barbara J.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: Recombinant Virus Expressing Foreign DNA Encoding
; TITLE OF INVENTION: Feline CD86, Feline CD86, Feline CD86, Feline CD86 or
; TITLE OF INVENTION: Feline Interferon-gamma And Uses Thereof
; FILE REFERENCE: 54957-B
; CURRENT APPLICATION NUMBER: US/09/303,040
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,870
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 82
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; ORGANISM: feline CD86
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (63)..(1052)
US-09-303-040-5
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Matches 981; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 121 TGGCAATTTACAAACTCTCAAAACATAAAGCCTGGATGAGCTGTAGTATTTTGGCAGGAC 180
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QY 181 CAGGATAAGCTGGTCTCTATGAGATATTCAGAGGCAAGAGAACTTCAAAATGTTTCAT 240
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QY 241 CTCAAAATAAAGGGCGGTACAGCTTTTGACAGGCAACTTGGACCTGAGACTCCACAAT 300
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QY 301 GTTCAGATCAAGGACAAGGGCACATATCACTGTGTTTCATTTCATTATTAAGGGCCCAAGGA 360
Db 363 GTTCAGATCAAGGACAAGGGCACATATCACTGTGTTTCATTTCATTATTAAGGGCCCAAGGA 422
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QY 781 GTTGTGTTTGTGGGATGGTGTCTTTTAAACACTAAGGAAAGGAAAGAGAGAGCGCT 840
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QY 961 AAGACAGCTCTCAGGCGACAAAAGT 984
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GenCore version 5.1.6
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Scoring table: IDENTITY_NUC
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Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	553	55.5	1424	US-09-328-186B-226	Sequence 226, App
3	553	55.5	1428	PCT-US94-09642-1	Sequence 1, Appli
4	540	54.2	1002	US-09-039-982A-33	Sequence 33, Appli
5	540	54.2	1002	US-09-039-641-33	Sequence 33, Appli
6	540	54.2	1002	US-09-039-762A-33	Sequence 33, Appli
7	540	54.2	1002	US-09-042-492D-33	Sequence 33, Appli
8	540	54.2	1002	US-08-913-612A-33	Sequence 33, Appli
9	540	54.2	1120	US-08-456-104-1	Sequence 1, Appli
10	540	54.2	1120	US-08-101-624-1	Sequence 1, Appli
11	540	54.2	1120	US-08-749-744A-1	Sequence 1, Appli
12	540	54.2	1120	US-08-280-757B-1	Sequence 1, Appli
13	540	54.2	1120	US-08-205-697A-22	Sequence 22, Appli
14	540	54.2	1120	US-08-702-525-22	Sequence 22, Appli
15	540	54.2	1120	US-08-403-253A-3	Sequence 3, Appli
16	540	54.2	1120	US-08-435-816A-3	Sequence 3, Appli
17	540	54.2	1120	PCT-US95-02576-22	Sequence 22, Appli
18	540	54.2	1161	US-08-205-697A-24	Sequence 24, Appli
19	540	54.2	1161	US-08-702-525-24	Sequence 24, Appli
20	540	54.2	1161	PCT-US95-02576-24	Sequence 24, Appli
21	535	53.7	972	US-08-848-760B-11	Sequence 11, Appli
22	434.6	43.6	751	US-09-039-982A-34	Sequence 34, Appli
23	434.6	43.6	751	US-09-039-641-34	Sequence 34, Appli
24	434.6	43.6	751	US-09-039-762A-34	Sequence 34, Appli
25	434.6	43.6	751	US-09-042-492D-34	Sequence 34, Appli
26	434.6	43.6	751	US-08-913-612A-34	Sequence 34, Appli
27	330	33.1	1261	US-08-205-697A-12	Sequence 12, Appli

28	330	33.1	1261	3	US-08-702-525-12	Sequence 12, Appli
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30	329.6	33.1	1151	3	US-08-456-104-3	Sequence 3, Appli
31	329.6	33.1	1151	3	US-08-205-697A-20	Sequence 20, Appli
32	329.6	33.1	1151	3	PCT-US95-02576-20	Sequence 20, Appli
33	329.6	33.1	1151	5	PCT-US95-02576-20	Sequence 22, Appli
34	329.6	33.1	1163	3	US-08-479-744A-22	Sequence 22, Appli
35	329.6	33.1	1163	3	US-08-280-757B-22	Sequence 22, Appli
36	225	22.6	330	3	US-08-479-744A-44	Sequence 44, Appli
37	225	22.6	330	3	US-08-280-757B-44	Sequence 44, Appli
38	159	16.0	306	3	US-08-479-744A-46	Sequence 46, Appli
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ALIGNMENTS

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; Sequence 5, Application US/09303040
; Patent No. 6555671
; GENERAL INFORMATION:
; APPLICANT: Winslow, Barbara J.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: Recombinant Virus Expressing Foreign DNA Encoding
; TITLE OF INVENTION: Feline CD86, Feline CD86, Feline CD28, Feline CTLA-4 or
; FILE OF INVENTION: Feline Interferon-gamma And Uses Thereof
; FILE REFERENCE: 54957-B
; CURRENT APPLICATION NUMBER: US/09/303,040
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,870
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: feline CD86
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (63)..(1052)
US-09-303-040-5

Query Match	98.3%	Score 979.2;	DB 4;	Length 1080;
Best Local Similarity	99.7%	Pred. No. 2.4e-289;		
Mismatches	98;	Conservative	0;	Mismatches 3; Indels 0; Gaps 0;
Qy	1	ATGGGCAATTTGTGACAGCACTATGGGACTGAGTCACACTCTCTTGTGATGGCCCTCTG 60		
Db	63	ATGGGCAATTTGTGACAGCACTATGGGACTGAGTCACACTCTCTTGTGATGGCCCTCTG 122		
Qy	61	CTCTCTGGTGTTCCTCCATGAAGAGTCAAGCATATTTCAACAGACTGGAGAACTGCCA 120		
Db	123	CTCTCTGGTGTTCCTCCATGAAGAGTCAAGCATATTTCAACAGACTGGAGAACTGCCA 182		
Qy	121	TGCATTTTACAAACTCTCAAAACAATAAGCTGGATGGTGTAGTATTTTGGCAGGAC 180		
Db	183	TGCATTTTACAAACTCTCAAAACAATAAGCTGGATGGTGTAGTATTTTGGCAGGAC 242		
Qy	181	CAGGATAAGCTGGTTCCTGTATGATATTTCAAGGCAAGAGAACCCCTCAAAATGTTTAT 240		
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Qy	241	CTCAATATTAAGGGCGGTCAAGCTTTTGA CAGGACCAACTGGACCCCTGAGACTCCCAAT 300		
Db	303	CTCAATATTAAGGGCGGTCAAGCTTTTGA CAGGACCAACTGGACCCCTGAGACTCCCAAT 362		

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US-09-326-186B-226
; Sequence 226, Application US/09326186B
; Patent No. 6319906
; GENERAL INFORMATION:
; APPLICANT: Bennett, Clarence Frank
; APPLICANT: Vickers, Timothy A.
; TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
; TITLE OF INVENTION: Modulation of the Expression of B7 Protein
; FILE REFERENCE: ISPH-0376
; CURRENT APPLICATION NUMBER: US/09/326,186B
; CURRENT FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: 08/777,266
; PRIOR FILING DATE: 1996-12-31
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 226
; LENGTH: 1424
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-326-186B-226

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Best Local Similarity 75.7%; Pred. No. 4.8e-159;

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GenCore version 5.1.6
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	496.2	97.5	1080	9	US-09-303-040-5 Sequence 5, Appli
3	212.6	41.8	972	10	US-09-826-025-11 Sequence 11, Appl
4	212.6	41.8	1002	12	US-10-266-463A-33 Sequence 33, Appl
5	212.6	41.8	1002	14	US-10-105-200A-33 Sequence 33, Appl
6	212.6	41.8	1002	14	US-10-105-504A-33 Sequence 3, Appl
7	212.6	41.8	1002	14	US-10-105-678A-33 Sequence 33, Appl
8	212.6	41.8	1112	11	US-09-441-411-25 Sequence 25, Appl
9	212.6	41.8	1120	8	US-08-592-711-3 Sequence 3, Appli
10	212.6	41.8	1120	9	US-09-837-867A-22 Sequence 22, Appl
11	212.6	41.8	1120	11	US-09-962-969-22 Sequence 33, Appl
12	212.6	41.8	1120	11	US-09-350-202-3 Sequence 3, Appli
13	212.6	41.8	1161	9	US-09-837-867A-24 Sequence 24, Appl
14	212.6	41.8	1161	11	US-09-962-969-24 Sequence 24, Appl
15	212.6	41.8	1424	9	US-09-962-436-556 Sequence 556, App
16	212.6	41.8	1424	10	US-09-954-531-366 Sequence 366, App

17	212.6	41.8	1424	11	US-09-441-411-21	Sequence 21, Appl
18	212.6	41.8	1424	14	US-10-207-655-120	Sequence 120, App
19	110	21.6	738	14	US-10-060-585-4	Sequence 4, Appli
20	110	21.6	751	12	US-10-266-463A-34	Sequence 34, Appl
21	110	21.6	751	14	US-10-105-200A-34	Sequence 34, Appl
22	110	21.6	751	14	US-10-105-504A-34	Sequence 34, Appl
23	110	21.6	751	14	US-10-105-678A-34	Sequence 34, Appl
24	110	21.6	831	10	US-09-845-989A-4	Sequence 4, Appli
25	110	21.6	1056	10	US-09-756-983-17	Sequence 17, Appl
26	99	19.4	210	9	US-09-837-867A-31	Sequence 31, Appl
27	99	19.4	210	11	US-09-962-969-31	Sequence 31, Appl
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29	77.2	15.2	1151	11	US-09-962-969-20	Sequence 20, Appl
30	77.2	15.2	1183	11	US-09-441-411-23	Sequence 23, Appl
31	77.2	15.2	1261	9	US-09-837-867A-12	Sequence 12, Appl
32	77.2	15.2	1261	11	US-09-962-969-12	Sequence 12, Appl
33	36.4	7.2	2757	12	US-10-101-510-6	Sequence 6, Appli
34	36.4	7.2	2757	12	US-10-021-660-2	Sequence 2, Appli
35	36.4	7.2	2757	14	US-10-288-222A-1	Sequence 1, Appli
36	36	7.1	2139	11	US-09-822-846-225	Sequence 225, App
37	36	7.1	2183	14	US-10-037-270-668	Sequence 668, App
38	36	7.1	2345	9	US-09-799-777-146	Sequence 146, App
39	36	7.1	3175	9	US-09-853-161-49	Sequence 49, Appl
40	36	7.1	3175	9	US-09-852-659A-49	Sequence 49, Appl
41	36	7.1	3175	10	US-09-852-797-49	Sequence 49, Appl
42	36	7.1	3259	9	US-09-853-161-31	Sequence 31, Appl
43	36	7.1	3259	9	US-09-852-659A-31	Sequence 31, Appl
44	36	7.1	3259	10	US-09-852-797-31	Sequence 31, Appl
45	35.2	6.9	516	13	US-10-027-632-51371	Sequence 51371, A

ALIGNMENTS

RESULT 1

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US-09-303-510-5
; Sequence 5, Application US/09303510A
; Patent No. US20020028208A1
; GENERAL INFORMATION:
; APPLICANT: Collis, Ellen W.
; APPLICANT: Hash, Stephen M.
; APPLICANT: Choi, InSoo
; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, and Feline
; TITLE OF INVENTION: CTLA-4 Nucleic Acid and Polypeptides
; FILE REFERENCE: 54954
; CURRENT APPLICATION NUMBER: US/09/303,510A
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,869
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: Feline
US-09-303-510-5
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Best Local Similarity 99.4%; Pred. No. 1e-140; 3; Indels 0; Gaps 0;
Matches 499; Conservative 0; Mismatches 3

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; Sequence 5, Application US/09303040
; Patent No. US20020051792A1
; GENERAL INFORMATION:
; APPLICANT: Winslow, Barbara J.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: Recombinant Virus Expressing Foreign DNA Encoding
; TITLE OF INVENTION: Feline CD86, Feline CD86, Feline CD28, Feline CTLA-4 or
; TITLE OF INVENTION: Feline Interferon-gamma And Uses Thereof
; FILE REFERENCE: 54957-B
; CURRENT APPLICATION NUMBER: US/09/303,040
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,870
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: feline CD86
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (63)..(1052)
US-09-303-040-5

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Best Local Similarity 99.4%; Pred. No. 1e-140;
Matches 498; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 61 ACTAAGTATGATCTGTATGATGAAGAAATCTCAAAATATATGTACAGAACTGTACAACT 120
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QY 361 CCTCTCATGATGTGAACCATCAAAAGGGAGAGAAAGAGAGAGAGAGAGAGAGAGAGAA 420
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QY 421 AGAGTACCATTACACGTACCTGAGAGATCTGATGAAGCCAGTGATTAAACATTTTGAAG 480
DB 966 AGAGTACCATTACACGTACCTGAGAGATCTGATGAAGCCAGTGATTAAACATTTTGAAG 1025
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RESULT 3
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; Sequence 11, Application US/09826025
; Patent No. US20020162123A1
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; APPLICANT: Chang, Lung-Ji
; TITLE OF INVENTION: Combination Immunogene Therapy
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/826,025
; FILING DATE: 04-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/838,702
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: CHANG-02687
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 972 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-826-025-11

Query Match 41.8%; Score 212.6; DB 10; Length 972;
Best Local Similarity 69.0%; Pred. No. 2.9e-54;
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QY 61 ACTAAGTATGATCTGTATGATGAAGAAATCTCAAAATATATGTACAGAACTGTACAACT 120
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Perfect score: 359

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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13	110	30.6	1002	14	US-10-105-678A-33
14	110	30.6	1056	10	US-09-756-983-17
15	110	30.6	1112	8	US-09-441-411-25
16	110	30.6	1120	8	US-08-592-711-3

17	110	30.6	1120	9	US-09-837-867A-22	Sequence 22, Appl
18	110	30.6	1120	11	US-09-962-969-22	Sequence 22, Appl
19	110	30.6	1120	11	US-09-350-202-3	Sequence 3, Appl
20	110	30.6	1161	9	US-09-837-867A-24	Sequence 24, Appl
21	110	30.6	1161	11	US-09-962-969-24	Sequence 24, Appl
22	110	30.6	1424	9	US-09-962-436-556	Sequence 556, Appl
23	110	30.6	1424	10	US-09-954-531-366	Sequence 366, Appl
24	110	30.6	1424	11	US-09-441-411-21	Sequence 21, Appl
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27	78	21.7	210	11	US-09-962-969-31	Sequence 31, Appl
28	77.2	21.5	1151	9	US-09-837-867A-20	Sequence 20, Appl
29	77.2	21.5	1151	11	US-09-962-969-20	Sequence 20, Appl
30	77.2	21.5	1183	11	US-09-441-411-23	Sequence 23, Appl
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c 37	35	9.7	577	13	US-10-027-632-178928	Sequence 178928,
c 38	35	9.7	577	13	US-10-027-632-316224	Sequence 316224,
c 39	34.6	9.6	11726	12	US-10-311-455-2036	Sequence 2036, Ap
c 40	34.4	9.6	420	10	US-09-960-352-13148	Sequence 13148, A
c 41	34.4	9.6	2710	9	US-09-800-729-16	Sequence 16, Appl
c 42	34.4	9.6	2752	9	US-09-800-729-50	Sequence 50, Appl
c 43	34.4	9.6	2752	11	US-09-832-129-27	Sequence 27, Appl
c 44	34.2	9.5	1246	10	US-09-887-576-59	Sequence 59, Appl
c 45	34.2	9.5	6012	12	US-10-311-455-2032	Sequence 2032, Ap

ALIGNMENTS

RESULT 1
US-09-303-510-5
; Sequence 5, Application US/09303510A
; Patent No. US20020028208A1
; GENERAL INFORMATION:
; APPLICANT: Collieson, Ellen W.
; APPLICANT: Hash, Stephen M.
; APPLICANT: Choi, Insoo
; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, and Feline
; TITLE OF INVENTION: CTLA-4 Nucleic Acid and Polypeptides
; FILE REFERENCE: 54954
; CURRENT APPLICATION NUMBER: US/09/303,510A
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,869
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: Feline
US-09-303-510-5

Query Match	63.3%	Score	227.2;	DB	9;	Length	1080;
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Qy	61	ACTAAGTATGATCTGTCTATGAAGAATCTCAAAATAATGTGACAGAACTGTACAAGTT	120				
Db	606	ACTAAGTATGATCTGTCTATGAAGAATCTCAAAATAATGTGACAGAACTGTACAAGTT	665				
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RESULT 3
US-10-060-585--4
; Sequence 4, Application US/10060585
; Publication No. US20030083290A1
; GENERAL INFORMATION:
; APPLICANT: Kingsman, Alan J.
; APPLICANT: Bebbington, Christopher R.
; APPLICANT: Carroll, Miles W.
; APPLICANT: Ellard, Fiona M.
; APPLICANT: Kingsman, Susan M.
; APPLICANT: Myers, Kevin A.
; TITLE OF INVENTION: VECTOR SYSTEM
; FILE REFERENCE: DYOU23.001CP1

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RESULT 4
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; Sequence 34, Application US/10266463A
; Publication No. US20030138946A1
; GENERAL INFORMATION:
; APPLICANT: CAI, Zeling
; APPLICANT: SPRENT, Jonathan
; APPLICANT: BRUNMARK, Anders
; APPLICANT: JACKSON, Michael
; APPLICANT: PETERSON, Per A.
; APPLICANT: LUXEMBOURG, Alain
; APPLICANT: LETURCO, Didier Jean
; APPLICANT: MORIARTY, Ann M.
; TITLE OF INVENTION: ANTIGEN PRESENTING SYSTEM AND METHODS
; TITLE OF INVENTION: FOR ACTIVATION OF T-CELLS
; FILE REFERENCE: TSRI 471.1 Div. 1
; CURRENT APPLICATION NUMBER: US/10/266,463A
; CURRENT FILING DATE: 2002-10-08
; PRIOR APPLICATION NUMBER: US 08/913,612
; PRIOR FILING DATE: 1997-09-08
; PRIOR APPLICATION NUMBER: PCT/US96/03249
; PRIOR FILING DATE: 1996-03-08
; PRIOR APPLICATION NUMBER: US 08/400,338
; PRIOR FILING DATE: 1995-03-08
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 34
; LENGTH: 751

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

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Title: US-09-646-561-33
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Scoring table: IDENTITY_NUC
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Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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44	31.8	8.9	98844	4	US-09-791-211-10 Sequence 10, Appl
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ALIGNMENTS

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; Sequence 5, Application US/09303040
; Patent No. 6555671
; GENERAL INFORMATION:
; APPLICANT: Cochran, Barbara J.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: Recombinant Virus Expressing Foreign DNA Encoding
; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, Feline CTLA-4 or
; TITLE OF INVENTION: Feline Interferon-gamma And Uses Thereof
; FILE REFERENCE: 54957-B
; CURRENT APPLICATION NUMBER: US/09/303,040
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,870
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1080
; TYPE: DNA
; ORGANISM: feline CD86
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (63)..(1052)
US-09-303-040-5

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RESULT 2
US-08-479-744A-46
; Sequence 46, Application US/08479744A
; Patent No. 6084067
; GENERAL INFORMATION:
; APPLICANT: Freeman, Gordon J.
; APPLICANT: Nadler, Lee M.
; APPLICANT: Gray, Gary S.
; TITLE OF INVENTION: No. 6084067el CTLA4/CD28 Ligands and
; TITLE OF INVENTION: Uses Therefor
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,744A
; FILING DATE: June 7, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/280,757
; FILING DATE: 26-JUL-1994
; APPLICATION NUMBER: 08/109,393
; FILING DATE: 28-AUG-1993
; APPLICATION NUMBER: 08/101,624
; FILING DATE: 26-JULY-1993
; APPLICATION NUMBER: 08/147,773
; FILING DATE: 3-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: RPI-004CP3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 306 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..310
US-08-479-744A-46

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; Sequence 46, Application US/08280757B
; Patent No. 6130316
; GENERAL INFORMATION:
; APPLICANT: Freeman, Gordon J.
; APPLICANT: Nadler, Lee M.
; APPLICANT: Gray, Gary S.
; TITLE OF INVENTION: No. 6130316el CTLA4/CD28 Ligands and
; TITLE OF INVENTION: Uses Therefor
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/280,757B
; FILING DATE: 26-JUL-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/101,624
; FILING DATE: 26-JULY-1993
; APPLICATION NUMBER: 08/109,393
; FILING DATE: 19-AUG-1993
; APPLICATION NUMBER: 08/147,773
; FILING DATE: 3-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: RPI-004CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 306 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..310
US-08-280-757B-46

Query Match 30.6%; Score 110; DB 3; Length 306;
Best Local Similarity 73.5%; Pred. No. 3e-25;
Matches 169; Conservative 0; Mismatches 55; Indels 6; Gaps 2;
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QY 121 TCTATCAGCTTGCCTTTTTCAGTCCCTGAG---CACACAATGTGACGCTCTTTGTGTC 177
DB 199 TCCATCAGCTTGTCTGTTTTCATTCCTCGATGTACGAGCAATATGACCACTCTCTGTATT 258

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ALIGNMENTS

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Sequence 5, Application US/09303040
Patent No. 6555671
GENERAL INFORMATION:
APPLICANT: Winslow, Barbara J.
APPLICANT: Cochran, Mark D.
TITLE OF INVENTION: Recombinant Virus Expressing Foreign DNA Encoding
TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, Feline CTLA-4 or
TITLE OF INVENTION: Feline Interferon-gamma And Uses Thereof
FILE REFERENCE: 54957-B
CURRENT APPLICATION NUMBER: US/09/303,040
CURRENT FILING DATE: 1999-04-30
EARLIER APPLICATION NUMBER: 60/083,870
EARLIER FILING DATE: 1998-05-01
NUMBER OF SEQ ID NOS: 82
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
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; LENGTH: 1080
; TYPE: DNA
; ORGANISM: feline CD86
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (63)..(1052)
US-09-303-040-5

Query Match          95.2%   Score 948; DB 4; Length 1080;
Best Local Similarity 100.0%   Pred. No. 0;
Matches 948; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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GenCore version 5.1.6
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Minimum DB seq length: 0

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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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4	33	3.3	751	3	US-09-039-762A-34
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6	33	3.3	751	4	US-08-913-612A-34
7	33	3.3	972	3	US-08-848-760B-11
8	33	3.3	1002	3	US-09-039-982A-33
9	33	3.3	1002	3	US-09-039-641-33
10	33	3.3	1002	3	US-09-039-762A-33
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ALIGNMENTS

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; APPLICANT: Cochran, Mark D.
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; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CTLA-4 or
; TITLE OF INVENTION: Feline Interferon-gamma And Uses Thereof
; FILE REFERENCE: 54957-B
; CURRENT APPLICATION NUMBER: US/09/303,040
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,870
; EARLIER FILING DATE: 1998-05-01
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; APPLICANT: Sprent, Jonathan
; APPLICANT: Brunmark, Anders
; APPLICANT: Jackson, Michael
; APPLICANT: Peterson, Per A.
; TITLE OF INVENTION: ANTIGEN PRESENTING SYSTEM AND METHODS FOR ACTIVATION OF T-CL
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Olson & Hierl, Ltd.
; STREET: 20 No. 6225042th Wacker Drive, Suite 3000
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; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
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; FILING DATE: 16-MAR-1998
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Olson, Arne M.
; REGISTRATION NUMBER: 30,203
; REFERENCE/DOCKET NUMBER: TSRI4710
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 580-1180
; TELEFAX: (312) 580-1189
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; APPLICANT: Collisson, Ellen W.
; AFFILIANT: Hash, Stephen X.
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; APPLICANT: Choi, InSoo
; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, and Feline
; TITLE OF INVENTION: CTLA-4 Nucleic Acid and Polypeptides
; FILE REFERENCE: 54954
; CURRENT APPLICATION NUMBER: US/09/303,510A
; CURRENT FILING DATE: 1999-04-30
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; APPLICANT: Cochran, Mark D.
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; TITLE OF INVENTION: Feline Interferon-gamma And Uses Thereof
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Best Local Similarity 100.0%; Pred. No. 1.1e-22;
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QY 131 A 131
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; Sequence 7817, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
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GenCore version 5.1.6
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OX, nucleic - nucleic search, using sw model

Run on: October 12, 2003, 13:04:19 : Search time 63.2674 Seconds
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Title: US-09-646-561-19

Perfect score: 840

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Scoring table: OLIGO.NUC

Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 150 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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9	33	3.9	1002	3	US-09-039-641-33
10	33	3.9	1002	3	US-09-039-762A-33
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c 104      16      1.9      1452      4      US-09-328-352-2145      Sequence 2145, Ap
c 105      16      1.9      1523      3      US-09-130-616-172       Sequence 172, App
c 106      16      1.9      1563      4      US-09-292-858B-11       Sequence 11, Appl
c 107      16      1.9      1619      3      US-09-130-616-173       Sequence 173, App
c 108      16      1.9      1780      4      US-08-220-602B-17       Sequence 17, Appl
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ALIGNMENTS

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; Sequence 5, Application US/09303040
; Patent No. 6556671
; GENERAL INFORMATION:
; APPLICANT: Winslow, Barbara J.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: Recombinant Virus Expressing Foreign DNA Encoding
; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CTLA-4 or
; TITLE OF INVENTION: Feline Interferon-gamma And Uses Thereof
; FILE REFERENCE: 54957-B
; CURRENT APPLICATION NUMBER: US/09/303,040
; CURRENT FILING DATE: 1999-04-30
; EARLIER APPLICATION NUMBER: 60/083,870
; EARLIER FILING DATE: 1998-05-01
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5

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; ORGANISM: feline CD86
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (63)..(1052)
US-09-303-040-5

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; Sequence 34, Application US/09039982A
; Patent No. 6225042
; GENERAL INFORMATION:
; APPLICANT: Cai, Zeling
; APPLICANT: Sprrent, Jonathan
; APPLICANT: Brunmark, Anders
; APPLICANT: Jackson, Michael
; APPLICANT: Peterson, Per A
; TITLE OF INVENTION: ANTIGEN PRESENTING SYSTEM AND METHODS FOR ACTIVATION OF T-C
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Olson & Hierrl, Ltd.
; STREET: 20 No. 6225042th Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/039,982A
; FILING DATE: 16-MAR-1998
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Olson, Arne M.
; REGISTRATION NUMBER: 30,203
; REFERENCE/DOCKET NUMBER: TSRI4710
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 580-1180
; TELEFAX: (312) 580-1189
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 751 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-039-982A-34

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QY 391 TCAGTGTGCTCACTTCACTGCTCACTGAAATA 423
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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7	33	3.3	738	14	US-10-060-585-4
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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ALIGNMENTS

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; Patent No. US20020028208A1
; GENERAL INFORMATION:
; APPLICANT: Collisnon, Ellen W.
; APPLICANT: Hash, Stephen M.
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; APPLICANT: Chol, InSoO
; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, and Feline
; TITLE OF INVENTION: CTLA-4 Nucleic Acid and Polypeptides
; FILE REFERENCE: 54954
; CURRENT APPLICATION NUMBER: US/09/303,510A
; CURRENT FILING DATE: 1999-04-30
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; EARLIER FILING DATE: 1998-05-01
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; Patent No. US20020051792A1
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; APPLICANT: Wierslow, Barbara J.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: Recombinant Virus Expressing Foreign DNA Encoding
; TITLE OF INVENTION: Feline CD80, Feline CD86, Feline CD28, Feline CTLA-4 or
; TITLE OF INVENTION: Feline Interferon-gamma And Uses Thereof
; FILE REFERENCE: 54957-B
; CURRENT APPLICATION NUMBER: US/09/303,040
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